1643

Application No. Substitute Form PTO-1449 U.S. Department of Commerce Attorney Docket No. (Modified) Patent and Trademark Office 10/583,795 19672-0003US1 Applicant Information Disclosure Statement Kiyotaka Nakano et al.

by Applicant (Use several sheets if necessary) Filing Date Group Art Unit June 21, 2006 (37 CFR §1.98(b))

	U.S. Patent Documents						
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	1	6,737,056	05/2004	Presta			
	2	7,297,775	11/2007	Idusogie et al.			
	3	2004/0024320	02/2004	Karasawa et al.			
	4	2006/0024298	02/2006	Lazar et al.			
	5	2006/0040325	02/2006	Wu et al.			
	6	2007/0087005	04/2007	Lazar et al.			
	7	2007/0269444	11/2007	Kinoshita et al.			
	8	2008/0008710	01/2008	Aburatani et al.			
	9	2008/0051563	02/2008	Lazar et al.			
	10	2008/0124330	05/2008	Nakano et al.			
	- 11	2008/0154025	06/2008	Lazar et al.			
	12	2008/0161541	07/2008	Lazar et al.			
	13	2008/0181890	07/2008	Lazar et al.			
	14	2008/0267979	10/2008	Lazar et al.			

	Foreig	n Patent Docur	ments or Pub	lished Foreign I	Patent A	Applicatio 4 6 1	ns	
Examiner	Desig.	Document	Publication	Country or			Trans	ation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	15	EP 1 176 195	01/30/2002	Europe				
	16	EP 1 331 266	07/30/2003	Europe				
	17	EP 1 462 799	9/29/2004	Europe				
	18	EP 1 498 491	01/19/2005	Europe				
	19	EP 1 548 442	6/29/2005	Europe				
	20	EP 1 561 686	8/10/2005	Europe				
	21	EP 1 671 645	06/21/2006	Europe				
	22	EP 1 674 111	06/28/2006	Europe				
	23	EP 1 800 693	06/27/2007	Europe				
	24	EP 1 816 140	08/08/2007	Europe				

ı	Examiner Signature	Date Considered
ı		
ı		
ı	EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with
ı	next communication to applicant.	

Application No. Substitute Form PTO-1449 U.S. Department of Commerce Attorney Docket No. (Modified) Patent and Trademark Office 19672-0003US1 10/583,795 Applicant Information Disclosure Statement Kiyotaka Nakano et al. by Applicant (Use several sheets if necessary) Filing Date Group Art Unit June 21, 2006 1643 (37 CFR §1.98(b))

Examiner	Desig.	Document	Publication	Country or			Transla	ation
Initial	ID	Number	Date	Patent Office	Class	Subclass	Yes	No
	25	JP 2-42355	02/13/1990	Japan			Abstract only	
	26	JP 4-336051	11/24/1992	Japan			Abstract only	
	27	JP 11-118775	04/30/1999	Japan			Abstract	
	28	JP 2001-108661	04/20/2001	Japan			Abstract only	
	29	JP 2002-48867	02/15/2002	Japan			Abstract only	
	30	JP 2003-149213	05/21/2003	Japan			Abstract only	
	31	JP 2004-053360	02/19/2004	Japan			Abstract only	
	32	WO 99/54342	10/28/1999	WIPO			Unity	
	33	WO 00/61739	10/19/2000	WIPO			English abstract	
	34	WO 02/22739	03/21/2002	WIPO				
	35	WO 02/31140	04/18/2002	WIPO			English abstract	
	36	WO 02/079255	10/10/2002	WIPO				
	37	WO 03/000883	01/03/2003	WIPO			English abstract	
	38	WO 03/042686	05/22/2003	WIPO			English abstract	
	39	WO 03/074679	09/12/2003	WIPO				
	40	WO 03/085119	10/16/2003	WIPO			English abstract	
	41	WO 2004/018667	03/04/2004	WIPO			English abstract	
	42	WO 2004/099249	11/18/2004	WIPO				
	43	WO 2005/023301	03/17/2005	WIPO			English abstract	
	44	WO 2006/006693	01/19/2006	WIPO			English abstract	
	45	WO 2006/022407	03/02/2006	WIPO			English abstract	
	46	WO 2006/046751	05/04/2006	WIPO			English abstract	
	47	WO 2007/047291	04/26/2007	WIPO			wostract	

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with

			Bricet _5_ 61 _1_	
Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 19672-0003US1	Application No. 10/583,795	
	closure Statement oplicant	Applicant Kiyotaka Nakano et al.		
(Use several sheets if necessary) (37 CFR §1.98(b))		Filing Date June 21, 2006	Group Art Unit 1643	

Other Documents (include Author, Title, Date, and Place of Publication)					
Examiner Initial	Desig. ID	Document			
	48	ABE et al., "Matrixeye _{TM} portable 3D ultrasonic inspection system," <i>Toshiba Rev.</i> , 60:48-51 (2005)			
	49	CARTER, "Improving the efficacy of antibody-based cancer therapies," Nat. Rev. Cancer, 1:118- 129 (2001)			
	50	GURA, "Systems for identifying new drugs are often faulty," Science, 278:1041-42 (1997)			
	51	HIPPO et al., "Identification of soluble NH ₂ -terminal fragment of glypican-3 as a serological marker for early-stage hepatocellular carcinoma," <i>Cancer Res.</i> , 64:2418-23 (2004)			
	52	JIANG et al., "Recurrence or metastasis of HCC: predictors, early detection and experimental antiangiogenic therapy," World J. Gastroenterol., 6:61-65 (2000)			
	53	LUND et al., "Multiple interactions of IgG with its core oligosaccharide can modulate recognition by complement and human Fey receptor I and influence the synthesis of its oligosaccharide chains," J. Immunol., 157:4963-69 (1996)			
	54	MAN et al., "Upregulation of glypican-3 expression in hepatocellular carcinoma but downregulation in cholangiocarcinoma indicates its differential diagnosis value in primary liver cancers," <i>Liver Int.</i> , 25:962-966 (2005)			
	55	MSNBC NEWS SERVICE, "Mixed results on new cancer drug," 4 pages (2000)			
	56	NAKATSURA et al., "Glypican-3, overexpressed specifically in human hepatocellular carcinoma, is a novel tumor marker," <i>Biochem. Biophys. Res. Commun.</i> , 306:16-25 (2003)			
	57	NIWA et al., "Deficeosylated chimeric anti-CC chemokine receptor 4 IgG1 with enhanced antibody- dependent cellular cytotoxicity shows potent therapeutic activity to T-cell leukemia and lymphoma," Cancer Res., 64:2127-33 (2004)			
	58	PRESTA, "Engineering antibodies for therapy," Curr. Pharm. Biotechnol., 3:237-256 (2002)			
	59	ROSKAMS et al., "Heparan sulphate proteoglycan expression in human primary liver tumours," J. Pathol., 185:290-297 (1998)			
	60	SABIT et al., "Enhanced expression of basement-membrane-type heparan sulfate proteoglycan in tumor fibro-myxoid stroma of intrahepatic cholangiocarcinoma," <i>Pathol. Int.</i> , 51:248-256 (2001)			
	61	SHIELDS et al., "Lack of fucose on human IgG1 N-linked oligosaccharide improves binding to human Fegamma RIII and antibody-dependent cellular toxicity," J. Biol. Chem., 277:26733-40 (2002)			
	62	SHINKAWA et al., "The absence of fucose but not the presence of galactose or bisecting N- acetylglucosamine of human IgG1 complex-type oligosaccharides shows the critical role of enhancing antibody-dependent cellular cytotoxicity," J. Biol. Chem., 278:3466-73 (2003)			
	63	YAMAGUCHI et al., "Current status and future perspective of biotherapy for cancer," <i>Biotherapy</i> , 13:747-753 (1999) (English summary included)			
	64	YAMANE-OHNUKI et al., "Establishment of FUT8 knockout Chinese hamster ovary cells: an ideal host cell line for producing completely defucosylated antibodies with enhanced antibody-dependent cellular cytotoxicity," Biotechnol. Bioeng, 87:614-622 (2004)			
	65	U.S. EXAMINER CHUN CROWDER, USPTO Restriction Requirement in U.S. App. Ser. No. 11/251,561, dated December 13, 2007, 9 pages			
	66	FISH & RICHARDSON P.C., Response to Restriction Requirement dated December 13, 2007 in U.S. App. Ser. No. 11/251,561, filed February 12, 2008, 1 page			

Examiner Signature	Date Considered
· · · · · · · · · · · · · · · · · · ·	
EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with
next communication to applicant.	

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 19672-0003US1	Application No. 10/583,795	
	losure Statement plicant	Applicant Kiyotaka Nakano et al.		
(Use several sheets if necessary)		Filing Date	Group Art Unit	
(37 CFR §1.98(b))		June 21, 2006	1643	

Other Documents (include Author, Title, Date, and Place of Publication)				
Examiner	Desig.			
Initial	ID	Document		
	67	U.S. EXAMINER CHUN WU DAHLE, USPTO Office Action in U.S. App. Ser. No. 11/251,561, dated May 14, 2008, 12 pages		
		FISH & RICHARDSON P.C., Amendment in Reply to Action dated May 14, 2008 in U.S. App. Ser.		
	68	No. 11/251,561, filed November 13, 2008, 8 pages		
	- (0	U.S. EXAMINER CHUN WU DAHLE, USPTO Final Office Action in U.S. App. Ser.		
	69	No. 11/251,561, dated February 25, 2009, 13 pages		
	70	EXAMINER ANDREA IRION, International Search Report and Written Opinion for App. Ser.		
	10	No. PCT/US2006/039682 dated April 13, 2007, 13 pages		
	71	U.S. EXAMINER ALANA M. HARRIS, USPTO Restriction Requirement in U.S. App. Ser.		
	7.1	No. 10/570,647, dated April 4, 2008, 6 pages		
	72	Japanese Patent Office, International Search Report for App. Ser. No. PCT/JP2004/013183, mailed November 30, 2004, 4 pages		
		Japanese Patent Office, International Preliminary Report on Patentability for App. Ser.		
	73	No. PCT/JP2004/013183, dated September 1, 2005, 17 pages		
	74	European Search Report for App. Ser. No. EP 04 77 2 922, dated June 14, 2007, 2 pages		
	75	U.S. EXAMINER ANNE GUSSOW, USPTO Restriction Requirement in U.S. App. Ser.		
	13	No. 11/574,091, dated December 17, 2008, 8 pages		
	76	FISH & RICHARDSON P.C., Response to Restriction Requirement dated December 17, 2008 in		
	10	U.S. App. Ser. No. 11/574,091, filed June 16, 2009, 1 page		
	77	U.S. EXAMINER ANNE GUSSOW, USPTO Office Action in U.S. App. Ser. No. 11/574,091,		
	"	dated September 2, 2009, 18 pages		
	78	Japanese Patent Office, International Search Report for App. Ser. No. PCT/JP2005/015607, mailed		
	70	October 24, 2005, 3 pages		
	79	European Search Report for App. Ser. No. EP 05 78 0979, dated November 10, 2008, 5 pages		
	80	U.S. EXAMINER ANNE GUSSOW, USPTO Office Action in U.S. App. Ser. No. 11/577,944,		
	- 00	dated April 28, 2009, 14 pages		
	81	FISH & RICHARDSON P.C., Amendment in Reply to Office Action dated April 28, 2009 in U.S.		
	01	App. Ser. No. 11/577,944, filed October 27, 2009, 15 pages		
	82	Japanese Patent Office, International Search Report for App. Ser. No. PCT/JP2005/020057, mailed		
	02	January 24, 2006, 2 pages		
	83	European Search Report for App. Ser. No. EP 05 80 0031, dated July 31, 2009, 9 pages		
	84	International Search Report and Written Opinion for App. Ser. No. SG 200703074-5, mailed		
		July 21, 2008, 9 pages		
	85	Japanese Patent Office, International Search Report for App. Ser. No. PCT/JP2005/013103, mailed October 25, 2005, 1 page		
	0.6	Japanese Patent Office, International Preliminary Report on Patentability for App. Ser.		
	86	No. PCT/JP2005/013103, dated January 7, 2009, 4 pages		
	87	European Search Report for App. Ser. No. EP 05 76 0156, dated October 1, 2007, 15 pages		

ĺ	Examiner Signature	Date Considered
ı		
ı	EXAMINER: Initials citation considered. Draw line through citation if no	t in conformance and not considered. Include copy of this form with
ı	next communication to applicant.	